REMARKS

In the Office Action, claims 1-13, 15-16, 18-21 were rejected. Claims 14 and 17 were objected to as being dependent upon a rejected base claim. Claims 1, 7, 8, 10, 14-18, 20-21 have been amended. No new matter has been added. Claims 6 and 9 have been canceled. Upon entry of the amendments, claims 1-5, 7-8 and 10-36 will be pending in the present application. Reconsideration and allowance of all pending claims are requested.

Rejections under 35 U.S.C. § 102(e)

Claims 1-13, 15-16, 18-21 are rejected under 35 U.S.C. § 102(e) as being anticipated by Soluri et. al. (U.S. Patent 6,734,430, hereinafter "Soluri"). Claims 1, 15 and 16 are independent. All of the recited claims are believed to be patentable as cited below.

Claim 1 recites a conversion device for use in an imaging system comprising a first perforated plate portion forming a plurality of collimator channels separated by a plurality of thin collimator walls and a second perforated plate portion forming a plurality of scintillator channels separated by a plurality of thin scintillator walls. The device further includes a reflective coating applied to the inside scintillator surface of the plurality of thin scintillator walls and a luminescent glass or luminescent polymer scintillator material filling the plurality of scintillator channels.

Claim 15 recites a conversion device for use in an imaging system comprising a perforated plate forming a plurality of scintillator channels separated by a plurality of thin scintillator walls and reflective coating applied to the inside scintillator surface of the plurality of thin scintillator walls. The conversion device further includes a luminescent glass or luminescent polymer scintillator material filling the plurality of scintillator channels.

Claim 16 recites a method of manufacturing a conversion device for use in an imaging system comprising perforating a plate element to form a plurality of scintillator channels separated by a plurality of thin scintillator walls and coating an inside surface of the plurality of thin scintillator walls with a reflective coating. The method further includes filling the plurality of scintillator channels with a luminescent glass or luminescent polymer scintillator material.

Soluri fails to disclose a conversion device comprising a luminescent glass or luminescent polymer scintillator material.

Applicants respectfully submit that Soluri fails to disclose a conversion device comprising a luminescent glass or luminescent polymer scintillator material. The scintigraphic device, as disclosed by Soluri, employs a scintillation crystal structure. *See,* column 2, lines 15-20. The scintillation crystal structure is constituted by multiple individual crystal structures with polygonal section. *See,* column 2, lines 24-28. Examples of the scintillation crystals disclosed by Soluri include and are limited to CsI(Tl), CsI(Na), NaI(Tl). *See,* column 2, lines 15-20. The scintillation crystals disclosed by Soluri is not comparable to the luminescent glass or luminescent polymer scintillator material recited in independent claims 1, 15 and 16. Thus, Soluri fails to teach or disclose a conversion device comprising *a luminescent glass or luminescent polymer scintillator material.*

Because, Soluri fails to disclose a luminescent glass or luminescent polymer scintillator material filling the plurality of scintillator channels, the reference cannot anticipate claims 1, 15 and 16. Accordingly, Applicants respectfully submit that independent claims 1, 15 and 16, and the claims depending therefrom are allowable and respectfully request the Examiner to reconsider the rejection of the claims.

Conclusion

In view of the remarks and amendments set forth above, Applicants respectfully request allowance of the pending claims. If the Examiner believes that a telephonic interview will help speed this application toward issuance, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,

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PSY

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